

Product datasheet

Anti-BCAT1 antibody ab232700

[1 References](#) [6 Images](#)

Overview

Product name	Anti-BCAT1 antibody
Description	Rabbit polyclonal to BCAT1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Mouse BCAT1 aa 150 to the C-terminus. (Expressed in E.coli). Database link: P24288

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control WB: Recombinant mouse BCAT1 protein; Mouse cerebrum and kidney lysates; Rat cerebrum lysate. IHC-P: Mouse pancreas and kidney tissues.

General notes The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	ab232700 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab232700 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 43 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function

Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine.

Tissue specificity

During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma.

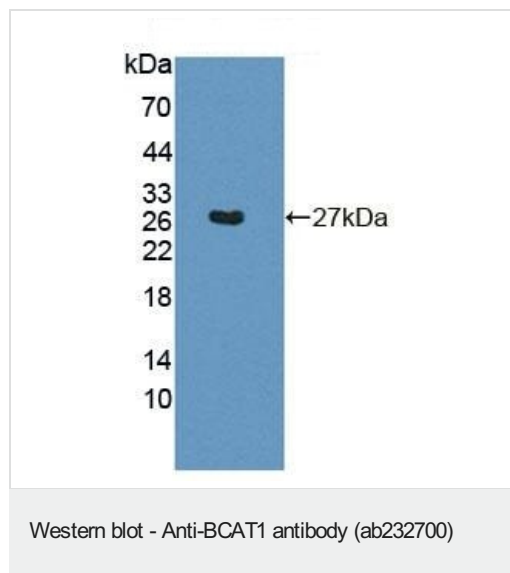
Sequence similarities

Belongs to the class-IV pyridoxal-phosphate-dependent aminotransferase family.

Cellular localization

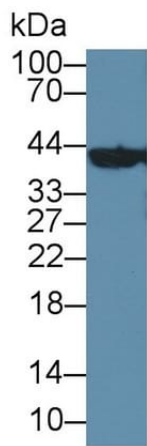
Cytoplasm.

Images



Anti-BCAT1 antibody (ab232700) at 2 µg/ml + Recombinant mouse BCAT1 protein

Predicted band size: 43 kDa



Western blot - Anti-BCAT1 antibody (ab232700)

Anti-BCAT1 antibody (ab232700) at 2 μ g/ml + Mouse cerebrum lysate

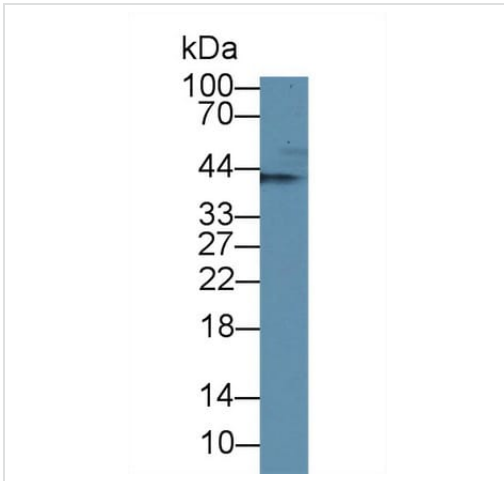
Predicted band size: 43 kDa



Western blot - Anti-BCAT1 antibody (ab232700)

Anti-BCAT1 antibody (ab232700) at 2 μ g/ml + Mouse kidney lysate

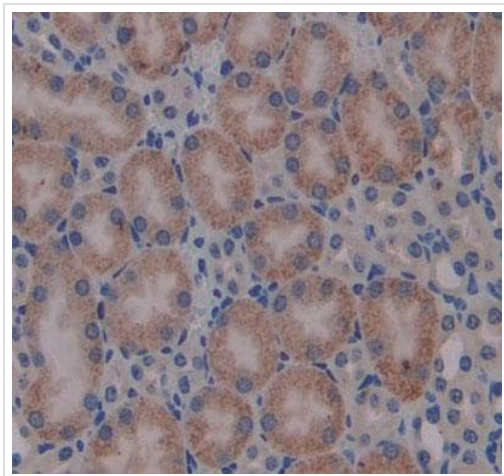
Predicted band size: 43 kDa



Western blot - Anti-BCAT1 antibody (ab232700)

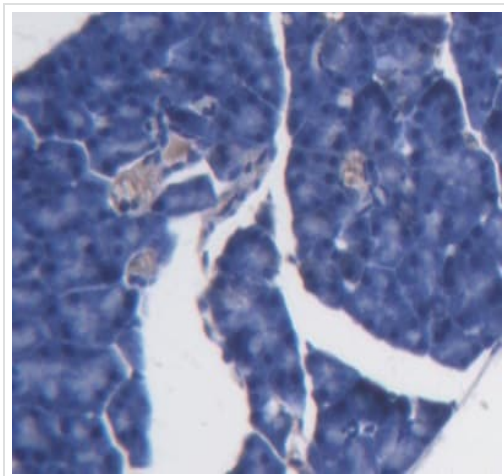
Anti-BCAT1 antibody (ab232700) at 2 μ g + Rat cerebrum lysate

Predicted band size: 43 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BCAT1 antibody (ab232700)

Formalin-fixed, paraffin-embedded mouse kidney tissue stained for BCAT1 using ab232700 at 20 μ g/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BCAT1 antibody (ab232700)

Paraffin-embedded mouse pancreas tissue stained for BCAT1 using ab232700 at 20 μ g/ml in immunohistochemical analysis. DAB staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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